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पंचकर्म उपकरण  
भाग 1 द्रोणी — विशिष्टि

*Panchakarma Equipment*  
Part 1 Droni — Specifications

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## FOREWORD

This Indian Standard was adopted by Bureau of Indian Standards, after the draft finalized by Ayush Sectional Committee had been approved by the Food and Agriculture Division Council.

*Panchakarma* is a unique prophylactic as well as therapeutic procedure in Ayurveda. It is advocated for the radical elimination of the disease causing factors and to maintain the equilibrium of the *doshas*.

The fivefold measures in *Panchakarma* include *Vamana* (Emesis), *Virechana* (Purgation), *Anuvasana Vasti* (Oil enema), *Aasthapana Vasti* (Decoction enema) and *Nasya* (Nasal insufflation).

*Panchakarma* therapy is preceded by certain preparatory procedures including *Snehana* (Oleation) and *Swedana* (Sudation). The *Samsarjana Karma* is performed as a post therapy procedure.

Droni, a specialized table is an essential equipment used in *Panchakarma* procedures.

In the formulation of this standard, due consideration has been given to the *Legal Metrology Act*, 2009 and Rules framed thereunder and the *Essential Commodities Act*, 1955. However, this standard is subject to restrictions imposed under these statutes, wherever applicable.

The composition of the committee responsible for the formulation of this standard is given in Annex A.

For the purpose of deciding whether a particular requirement of this standard is complied with, the final value, observed or calculated expressing the result of a test or analysis, shall be rounded off in accordance with IS 2 : 2022 'Rules for rounding off numerical values (*second revision*)'. The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

*Indian Standard*  
PANCHAKARMA EQUIPMENT  
**PART 1 DRONI — SPECIFICATIONS**

**1 SCOPE**

This standard covers minimum requirements and dimensional details for a Droni made of wood or fibre.

**2 REFERENCES**

The standards listed below contain provisions which, through reference in this text, constitute provision of this standard. All standards are subject to revision, and parties to agreement based on this standard are encouraged to investigate the possibility of applying the most recent editions of the standards indicated:

| <i>IS No.</i>  | <i>Title</i>                                |
|----------------|---------------------------------------------|
| IS 4033 : 1968 | General requirements for hospital furniture |

**3 DEFINITIONS**

For the purpose of this document, the following terms and definitions apply:

**3.1 Body Part**

The part of the Droni where the trunk and limbs of the person rest.

**3.2 Droni**

The massaging table top. It comprises of two compartments – the head part and the body part.

**3.3 Droni Stand**

A tiltable table like frame with four leg piece above which the Droni shall be placed.

**3.4 Handles**

The rod like extensions on all the four corners of the Droni facilitating its transportation.

**3.5 Head Part**

The part of the Droni where the head of the person rests. It is to be built as a separate compartment with oil draining facility for facilitating various procedures that are confined to the head of the person.

**4 MATERIAL****4.1 Framework**

As specified in 2.1 of IS 4033.

**4.2 Top**

The top of the Droni shall be made up of either wood or heavy duty fibre.

**4.2.1** Heart wood of any of the following trees can be used:

**4.2.1.1** *Acacia catechu* willd.

**4.2.1.2** *Artocarpus integrifolia* placer

**4.2.1.3** *Colophyllum inophyllum* Linn.

**4.2.1.4** *Crateva nurvala* Buch-Ham

**4.2.1.5** *Ficus bengalensis* Linn.

**4.2.1.6** *Ficus glomerata* Roxb

**4.2.1.7** *Ficus lacor* Ham

**4.2.1.8** *Madhuca indica* J. F. Gmel.

**4.2.1.9** *Mangifera indica* Linn.

**4.2.1.10** *Pterocarpus marsupium* Linn.

**4.2.1.11** *Tectona grandis* Linn.

**4.2.2** Heavy duty fibre of any of the following types can be used:

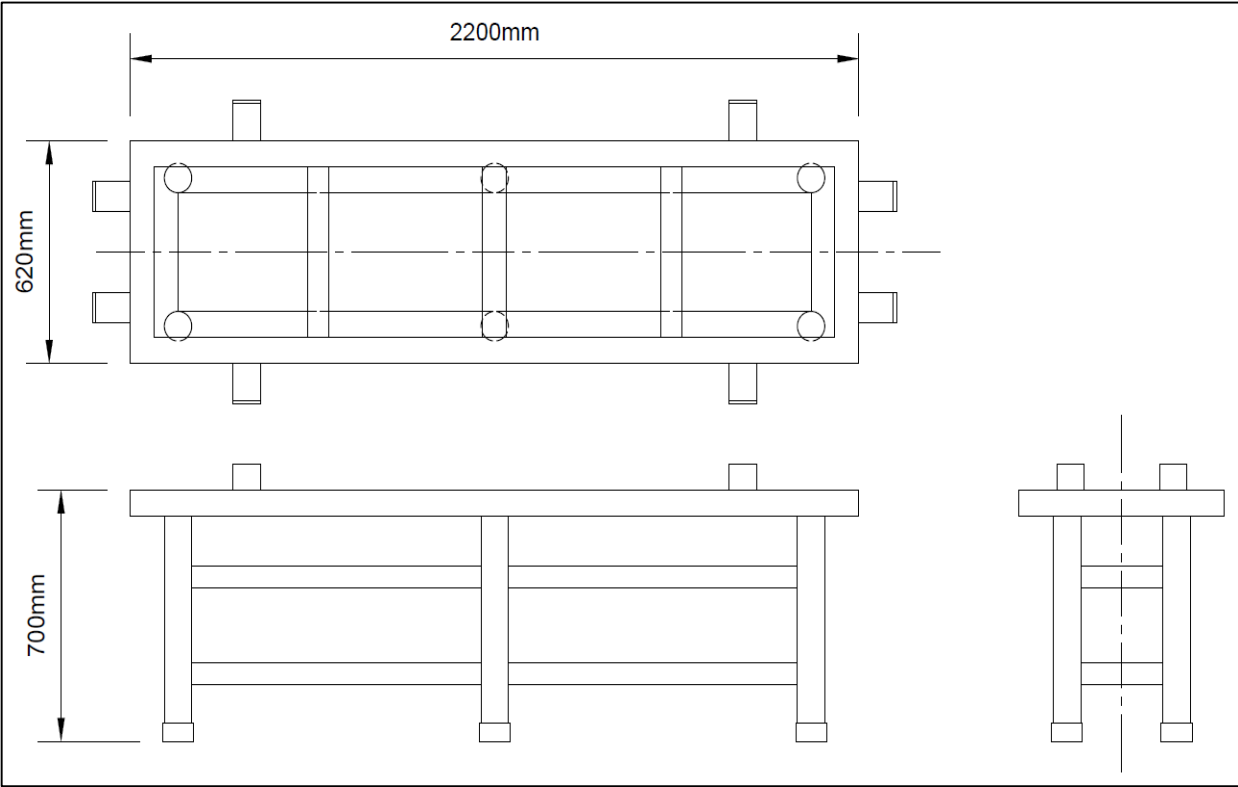
**4.2.2.1** Heavy duty fiberglass [Glass Reinforced Plastic (GRP) or Fibre Reinforced Plastic (FRP)]

**4.2.2.2** Polyurethane Foam (PUF) filled fibre

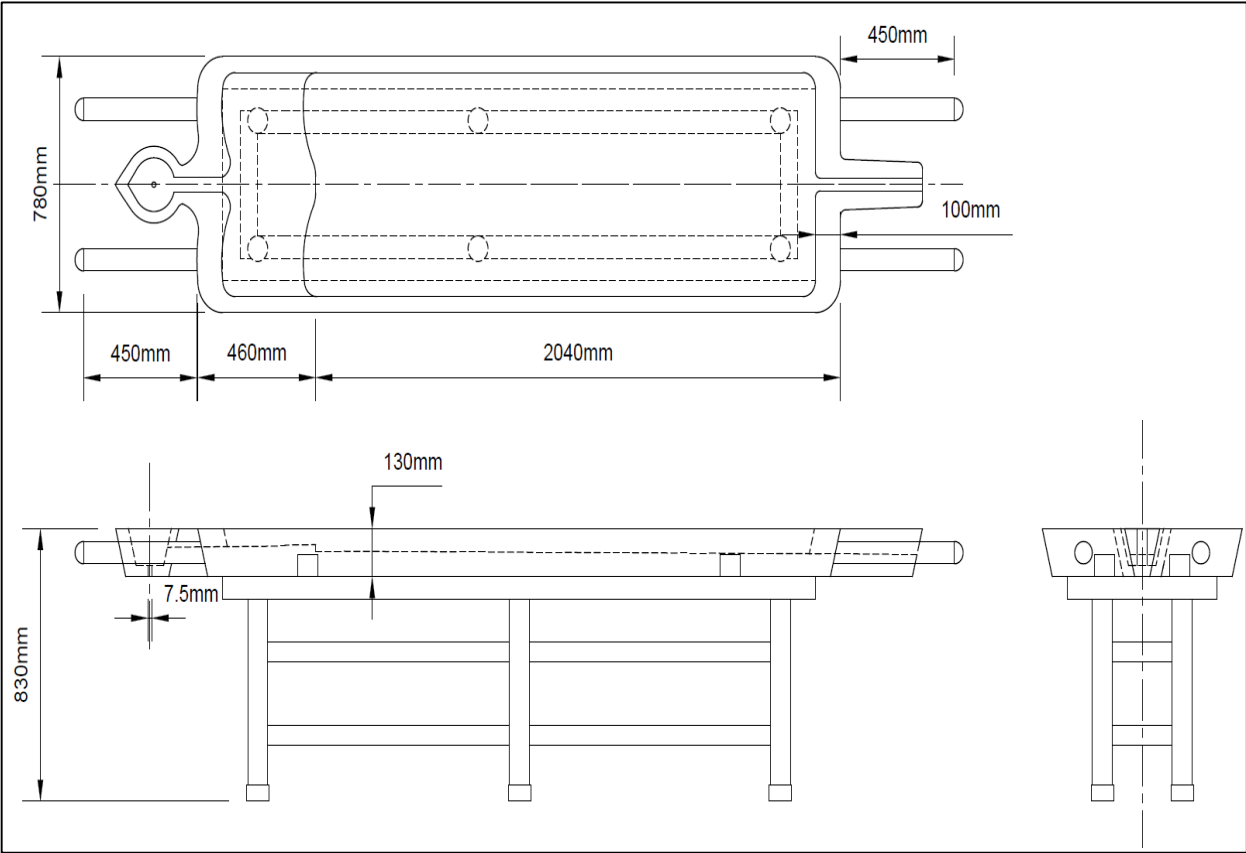
**4.2.2.3** Fiberglass resin

**5 SHAPE AND DIMENSIONS**

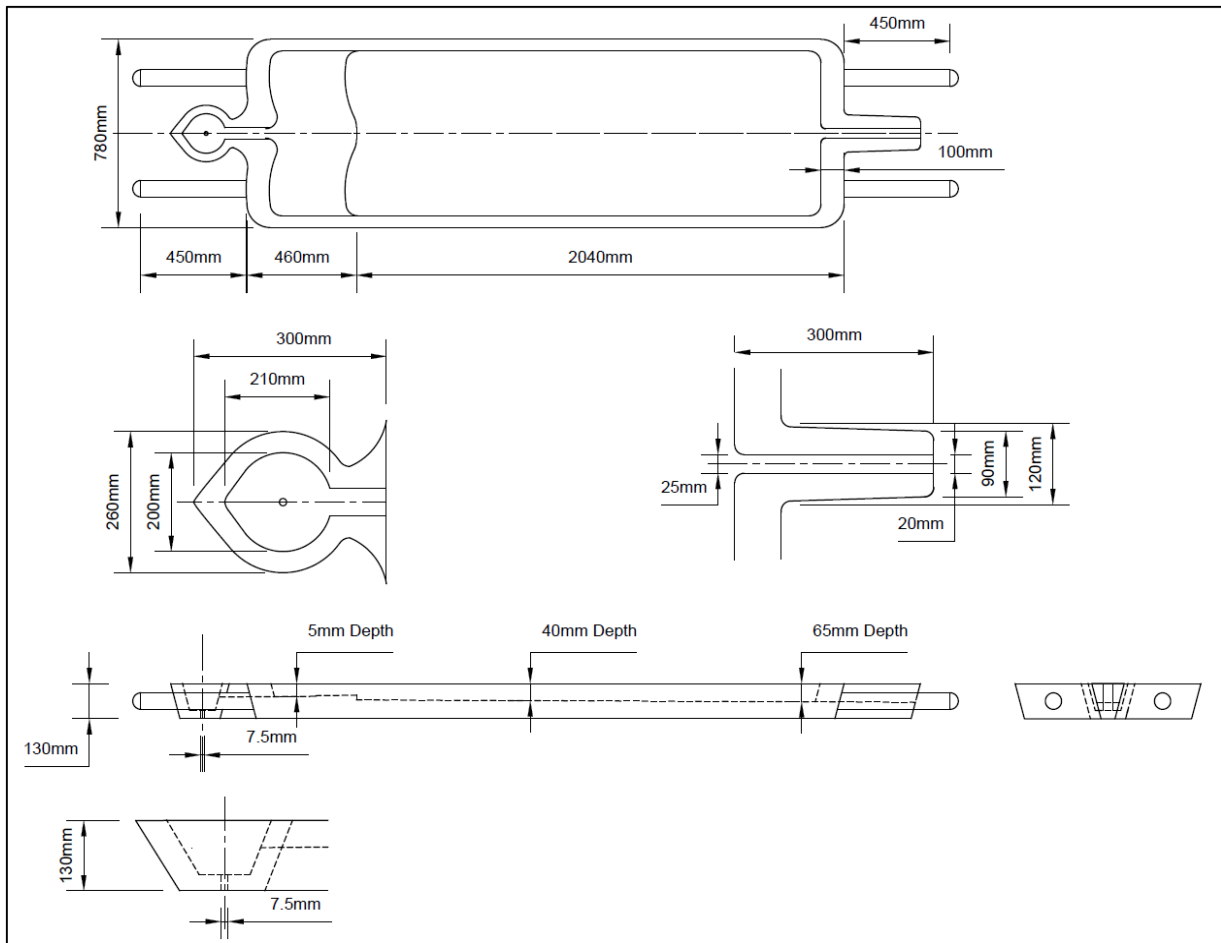
The shape and dimensions of the Droni shall be as per Fig. 1.



1A DRONI STAND



1B DRONI WITH STAND



1C DRONI AND ITS COMPARTMENTS

FIG. 1. TOP, FRONT AND SIDE VIEW OF DRONI AND STAND WITH DIMENSIONS OF EACH COMPARTMENT

## 5 MANUFACTURE AND WORKMANSHIP

**5.1** The Droni Stand shall have a welded framework of continuous lengths of mild steel tubes as shown in Fig. 1.

**5.2** The four upright members shall be connected near the floor by a pair of longitudinal and a pair of transverse tubes as shown in Fig. 1.

**5.3** The upright members shall support a formed wooden or heavy duty fibre top having drainage vents at head end as well as at the foot end as shown in Fig. 1.

**5.4** The Droni shall have two separate compartments - Head part and Body part. They must have separate draining orifices or channels as shown in Fig. 1.

**5.5** The arrangement for joining the top and the upright members may be employed but the

construction so obtained shall be sturdy and sound as shown in Fig. 1.

**5.6** The Droni shall be free from burrs and sharp edges as shown in Fig. 1.

**5.7** Coating on each part of the Droni shall be durable to resist discoloration, wear and corrosion.

**5.8** The material of the Droni shall be resistant to dry heat, resistant to wet heat, resistant of marking by oils and fats, resistant to marking by liquids and resistant to mechanical damage.

**5.9** The Droni top depth should be sloping towards the drainage vents as shown in Fig. 1.

**5.10** In case of a Droni made up of fibre, the top should be of matt finish.

**5.11** The height of the Droni shall be adjustable with the help of a turn wheel attached with the stand of

the Droni as shown in Fig. 1. It should be able to do foot end or head end elevation.

**5.12** The Droni shall also confirm to the requirements laid down in **4.1** of IS 4033.

## **6 FINISH**

As specified in **5** of IS 4033.

## **7 TESTS**

### **7.1 Adhesion Test**

As prescribed in **6.1.1** of IS 4033.

## **8 MARKING**

Each Droni shall comply with the provisions of clause **7.1** of IS 4033 and shall be marked with:

- a) Manufacturer's name/trademark;
- b) Name and address of the manufacturer;

- c) Name and address of the marketer;
- d) Month and year of manufacture;
- e) Unique Device Identification/Serial Number; and
- f) BIS Certification Marking

The product(s) conforming to the requirements of this standard may be certified as per the conformity assessment schemes under the provisions of the *Bureau of Indian Standards Act, 2016* and the Rules and Regulations framed thereunder, and the product(s) may be marked with the Standard Mark.

## **9 PACKAGING**

The Droni and its accessories shall be packed in a case made of a suitable material in such a way that they are intact in the case. It shall be so designed that when the Droni and accessories are kept in position and the lid is closed, there shall be no rattling inside the case.

**ANNEX C**  
(Foreword)

**COMMITTEE COMPOSITION**

Ayush Sectional Committee, FAD 26

| <i>Organization</i>                                                         | <i>Representative(s)</i>                                                                                       |
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| Ministry of Ayush, New Delhi                                                | DR D. C. KATOCH ( <b>Chairperson</b> )                                                                         |
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| Ayur Vaid Hospital, Bengaluru | DR ANAGHA J. JAIN                          |
| Ayurveda Mahavidyalaya, Hubli | DR VASANT C. PATIL                         |



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